PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY REPORT ON PATAENT ABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Rule 71.1)

Date of mailing

08 AUG 2005

(day/month/year) Applicant's or agent's file reference IMPORTANT NOTIFICATION 2003/01-PCT International filing date (day/month/year) Priority date (day/month/year) International application No. 15 May 2003 (15.05.2003) 13 May 2004 (13.05.2004) PCT/US04/15082 Applicant INVISTA TECHNOLOGIES S.A.R.L.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the IPEA/ US

Mail Stop PCT, Attn: IPEA/US

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230 Form PCT/IPEA/416 (January 2004) Authorized officer

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RECEIVER

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PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		FOR FIRTUPE ACT	TON	See Form PCT/IPEA/416					
2003/01-PCT		FOR FURTHER ACTION		See Form PC1/IPEA/416					
International application No.		International filing date (a	lay/month/year)	Priority date (day/month/year)					
PCT/US04/15082		13 May 2004 (13.05.2004		15 May 2003 (15.05.2003)					
International Patent Classification (IPC) or national classification and IPC									
IPC(7): C07C 69/00 and US Cl.: 560/139									
Applicant									
INVISTA TECHNOLOGIES S.A.R.L.									
This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.									
2. This REPORT consists of a total of \(\frac{1}{2}\) sheets, including this cover sheet.									
3. This report is also accompanied by ANNEXES, comprising:									
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:									
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.									
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4. This	report contains indic	ations relating to the follo	wing items:						
		asis of the report							
	Box No. II P	riority							
Box No. III Non-establishment of opinion			on with regard to novelty, inventive step and industrial						
		pplicability ack of unity of invention							
\boxtimes	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or								
		dustrial applicability, citations and explanations supporting such statement artain documents cited							
. 🗀	Box No. VII C	ertain defects in the international application							
	Box No. VIII C	Certain observations on the international application							
Date of submission of the demand			Date of completion of this report						
10 December 2004 (10.12.2004)			28 June 2005 (28.06.2005)						
	g address of the IPEA/	US	Authorized officer						
Mail Stop PCT, Attn: IPEA/US			(16 Vanie Dal-ANIA					
Commissioner for Patents P.O. Box 1450			Samuel A. Barts	Vice Vice I gang					
Alexandria, Virginia 22313-1450			Telephone No. 5517	13-222-1600					
Facsimile No. (703) 305-3230 Telephone No. 354417-242 2 7 8 CO									

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/US04/15082

Box No. 1 Basis of the report						
 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. 						
This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:						
international search (under Rules 12.3 and 23.1(b))						
publication of the international application (under Rule 12.4)						
international preliminary examination (under Rules 55.2 and/or 55.3)						
regard to the elements of the international application, this report is based on (replacement sheets which have been furnished e receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not exed to this report):						
the international application as originally filed/furnished						
the description:						
pages 1-14 as originally filed/furnished						
pages* NONE received by this Authority on						
pages* NONE received by this Authority on						
the claims:						
pages 15-17 as originally filed/furnished						
pages* NONE as amended (together with any statement) under Article 19						
pages* NONE received by this Authority on						
pages* NONE received by this Authority on						
the drawings:						
pages NONE as originally filed/furnished						
pages* NONE received by this Authority on						
pages* NONE received by this Authority on						
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.						
3. The amendments have resulted in the cancellation of:						
the description, pages none						
the description, pages none the claims, Nosnone the drawings, sheets/figs none the sequence listing (specify): any table(s) related to the sequence listing (specify):						
the drawings, sheets/figs none						
the company listing (specific); none						
the sequence listing (specify): none						
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).						
the description, pages						
the claims, Nos.						
the drawings, sheets/figs						
the sequence listing (specify):						
any table(s) related to the sequence listing (specify):						
* If item 4 applies, some or all of those sheets may be marked "superseded."						

Form PCT/IPEA/409 (Box No. I) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/15082	

	Box No.	III Non-establishment of opi	nion wit	h regard to novelty, inventive step and industrial applicability				
	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), industrially applicable have not been examined in respect of:							
		the entire international application						
	\boxtimes	claims Nos. 4,6,7,9-11 and 21-25						
		because:						
		the said international application not require an international preli		aid claim Nos relate to the following subject matter which does xamination (specify):				
		the description, claims or drawir so unclear that no meaningful op		cate particular elements below) or said claims Nos. 4,6,7,9,10 and 21-25 are uld be formed (specify):				
61c	Claims 4, 6 and 7 depend on claim 1, which is drawn to an ester. However, the said claims contain limitation directed to further limit a composition. Thus, it is unclear if the invention is a composition or a compound. Since the independent claims is drawn to a compound, it is unclear what is the composition that is being limited in the said claims, thus the said composition claims are unsearchable.							
	Claims 9, 10 and 11 depend on an independent claim 8, which is drawn to a method of preparation. Nonetheless, claims 9,10 and 11 are drawn to limit a product. Thus it is unclear if the invention is a compound or method or preparation. Therefore claims 9, 10, and 11 are unclear and unsearchable.							
	term cata	Claims 21-25 are directed to a composition nonetheless it is unclear what are the components of the said composition. For instance the term catalyst embraces multiple possibilities and it is unclear what can satisfy the limitations of the said composition. Since the components of the said composition are not clearly defines the said composition is unsearchable.						
		the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.						
		no international search report has been established for said claims Nos						
		the nucleotide and/or amino acid the Administrative Instructions		ce listing does not comply with the standard provided for in Annex C of				
		the written form		has not been furnished				
		•		does not comply with the standard				
		the computer readable form	님	has not been furnished				
				does not comply with the standard				
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do no comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.							
	See Supplemental Box for further details.							
	B DOTTED A (100 (D N. HD (L							

Form PCT/IPEA/409 (Box No. III) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/15082

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement							
Novelty (N)	Claims 14-20	YES					
	Claims <u>1-3,5,8,12-13</u>	NO					
Inventive Step (IS)	Claims 14-20	YES					
	Claims 1-3,5,8,12-13	NO					
Industrial Applicability (IA)	Claims 1-3,5,8,12-20	YES					
P	Claims NONE	NO NO					
2. Citations and Explanations (Rule 70.7) Claims 1-3, 5, 8, 12 and 13 lack an inventive step under PCT Article 33(3) as being obvious over Mozingo et al, as described in CAPLUS AN 1948:10287 for JACS 70, pp 229-231 (1948). Mozingo et al disclosed methyl p-toluate having a registry number 99-75-2. Claims 1-3, 5, 8, 12 and 13 lack novelty under PCT Article 33(2) as being anticipated by Arendt et al, US patent 5990214. Arednt discloses diethylene glycol and other glycol esters of toluic acid its use as plasticizers. Claims 14-20 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the composition described in the said claims. Claims 1, 2, 3, 5, 8, 12, 13 and 14-20 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.							
NEW CITATIONS NEW CITATIONS NEW CITATIONS							